

IN-VEHICLE SERVICE (Continued)

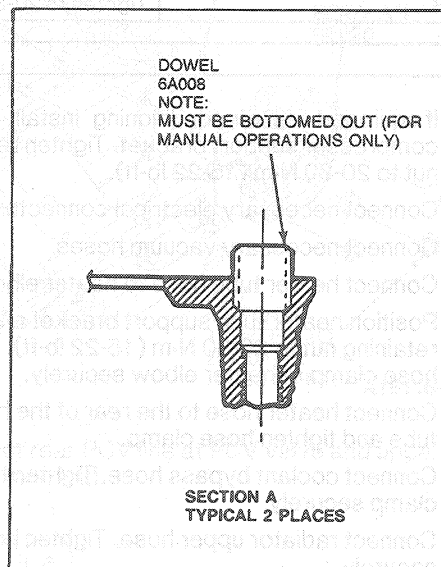
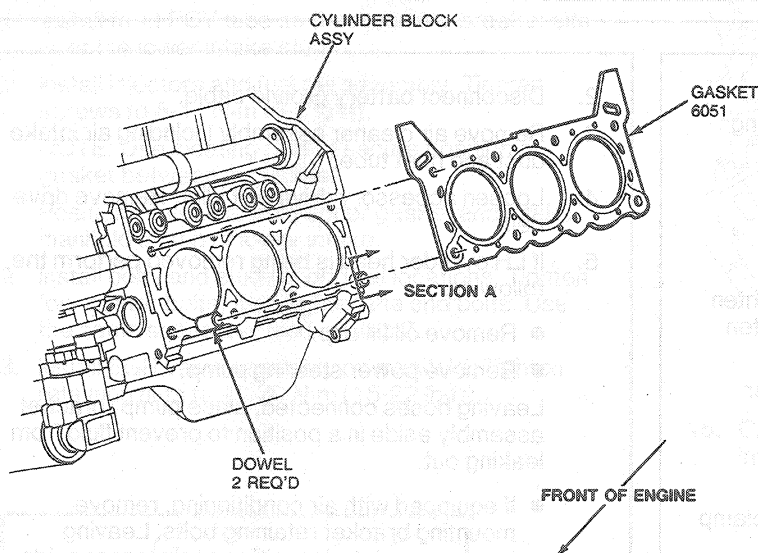
IN-VEHICLE SERVICE (Continued)

15. Remove cylinder head(s).
16. Remove and discard old cylinder head gasket(s).
17. If disassembling cylinder head(s), refer to Cylinder Head, Disassembly.

Installation

NOTE: Lightly oil all bolt and stud bolt threads before installation except those specifying special sealant.

1. Clean cylinder head, intake manifold, valve rocker arm cover and cylinder head gasket surfaces. If cylinder head was removed for a cylinder head gasket replacement, check flatness of cylinder head and block gasket surfaces. Refer to Section 03-00 for procedure.
2. Position new head gasket(s) onto cylinder block using dowels for alignment.



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3. Position cylinder head(s) onto block.

CAUTION: Always use new cylinder head bolts to ensure a leak-tight assembly. Torque retention with used bolts can vary, which may result in coolant or compression leakage at the cylinder head mating surface area.
4. Install cylinder head bolts (eight each side).
5. Tighten cylinder head retaining bolts in sequence as follows:
 - a. 50 N·m (37 lb-ft)
 - b. 60 N·m (45 lb-ft)

- c. 70 N·m (52 lb-ft)
- d. 80 N·m (59 lb-ft)

CAUTION: Do not loosen all of the bolts at the same time, only work on one bolt at a time.

In sequence, retighten bolts one at a time in the following manner:

- e. Long bolts: Loosen bolt and back out two or three revolutions. Retighten long bolt to 15-25 N·m (11-18 lb-ft). Then tighten bolt an additional 85-95 degrees and go to the next bolt in sequence.